

What is claimed is:

1. A storage apparatus system comprising:  
a plurality of controllers; and  
a plurality of disk drives connected to said controllers,  
wherein each of said controllers includes a first interface connected to a computer, a second interface connected to said disk drives, and a first memory connected to said first and second interfaces, and  
wherein said first memories of said controllers are interconnected by a first communication line.
2. The storage apparatus system according to claim 1, wherein  
each of said controllers further includes a second memory connected to said first and second interfaces, and  
wherein said second memories of said controllers are interconnected by a second communication line.
3. The storage apparatus system according to claim 2, wherein  
said first memories are shared memories, and said second memories are cache memories.
4. The storage apparatus system according to claim 3, wherein  
said second memories are connected through switches to said first and second interfaces.

5. The storage apparatus system according to claim 4, wherein said communication line is composed of switches.

6. The storage apparatus system according to claim 5, wherein said first communication line is the same as said second communication line.